

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Applicant : Ubaldo Armato et al.  
 Application No. : To Be Assigned  
 Filed : March 28, 2002  
 Title : BIO-ARTIFICIAL SUBSTRATE FOR THE PRODUCTION OF  
 ANIMAL AND, IN PARTICULAR, HUMAN TISSUES AND  
 ORGANS  
 Docket No. : 17642-59

**INFORMATION DISCLOSURE STATEMENT (37 CFR § 1.97(b))**

Commissioner for Patents  
 Washington, D.C. 20231

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the M.P.E.P. ¶¶ 609 and 707.05(b), enclosed is FORM PTO-1449 listing the references that are known to applicant. Enclosed are copies of prior art from the International Application. An International Search Report will be sent upon its receipt, along with copies of references not forwarded herein. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO-1449 be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP ¶ 609.

March 28, 2002

By \_\_\_\_\_  
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 Enclosures: PTO-1449, w/enclosure

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	To Be Assigned	
			Filing Date	March 28, 2002	
			First Named Inventor	Ubaldo Armato et al.	
			Art Unit	To Be Determined	
			Examiner Name	To Be Determined	
Sheet		of		Attorney Docket Number	17642-59

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number -Kind Code <sup>2</sup> (if known)	Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US-4,703,108	10-27-1987	Silver et al.
		US-4,963,489	10-16-1990	Naughton et al.
		US-5,266,480	11-30-1993	Naughton et al.
		US-5,606,019	02-25-1997	Cappello
		US-5,670,483	09-23-1997	Zhang et al.
		US-5,902,741	05-11-1999	Purchio et al.
		US-5,932,207	08-03-1999	Schmidt
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		EP 0 913 162 A1	06-05-1999	Ethicon Endo-Surgery, Inc.		
		WO 96/25961	08-29-1996	Geistlich et al.		
		WO 98/57676	12-23-1998	Tsubouchi, Kozo		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			<b>Application Number</b>	<b>To Be Assigned</b>	
			<b>Filing Date</b>	<b>March 28, 2002</b>	
			<b>First Named Inventor</b>	<b>Ubaldo Armato, et al.</b>	
			<b>Group Art Unit</b>	<b>To Be Determined</b>	
			<b>Examiner Name</b>	<b>To Be Determined</b>	
Sheet		of		<b>Attorney Docket Number</b>	<b>17642-59</b>

OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		XP-002166763 "In vitro evaluation of the inflammatory potential of the silk fibroin", Santin et al. (1999)	
		XP-002166764 "Effect of the chemical modification of the arginyl residue in Bombyx mori silk fibroin on the attachment and growth of fibroblast cells" (1998)	

Examiner Signature		Date Considered	
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language translation is attached.